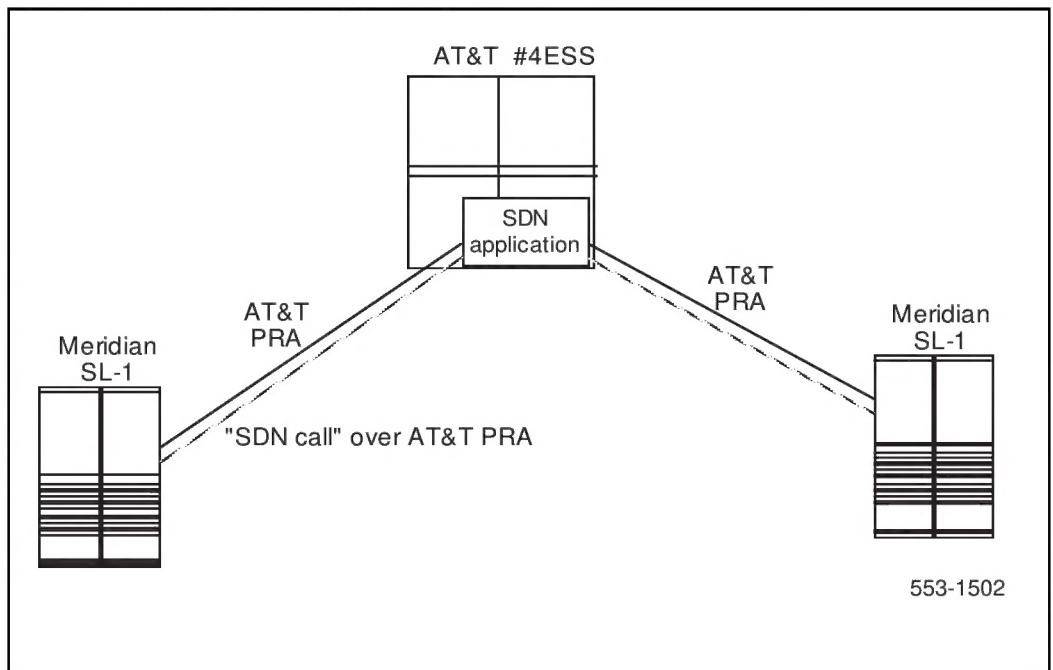


Software Defined Network Access

AT&T's Software Defined Network (SDN) provides the equivalent of a private network. The network is controlled by customized call-processing specifications stored in the AT&T network, rather than at customer sites. To access SDN, the customer uses access lines from their location to the AT&T network. See Figure 85.

Figure 85
Access to Software Defined Network



SDN can transmit voice, data, or graphics. Analog transmission to 9600 bps and 56 kbps or 64 kbps clear end-to-end digital data transmission are supported.

Feature implementation

Routes defined for access to AT&T services, such as SDN, must be TIE trunk routes. Use Procedures 62 and 63 to configure access to SDN service.

Note: The tariff is currently approved for ISDN as of 1992.

Procedure 62

Use LD 17 to define the AT&T interface (X11 release 17 and earlier)

Prompt	Response	Description
REQ	CHG	
TYPE	CFN	Configuration data block
ISDN	YES	
_IFC	ESS4, ESS5	AT&T 4ESS or 5ESS
<i>Note:</i> Package 149, Inter-exchange Carrier (IEC), is required to select the interface to AT&T 4ESS.		

Procedure 63**Use LD 17 to define the AT&T interface (X11 release 18 and later)**

Prompt	Response	Description
REQ	CHG	Change
TYPE	CFN	Configuration Record
ADAN	NEW DCH 0–63	Add a primary D-channel (can also CHG and OUT DCH)
CTYP	DCHI, MSDL	Card type
DNUM	0–15	Device number: physical port (odd) for D-channel on DCH, physical card address for MSDL
_PORT	0–3	Port number on MSDL card
USR	PRI, ISLD, SHA	D-channel mode
PRI	0–159 2–15	Additional PRI loops using the same D-channel, and interface ID
IFC	aaaa	Interface type: (D100), D250, ESS4, ESS5, SL1, S100

Procedure 64**Use LD 16 to configure a TIE route for SDN access**

Prompt	Response	Description
REQ	NEW,CHG,OUT	
TYPE	RDB	Route data block
CUST	0–99	Customer number
ROUT	0–511	Route number
TKTP	TIE	TIE trunk route
ISDN	YES	
_IFC	ESS4, ESS5	AT&T 4ESS or 5ESS
_SRVC	SDN	Software Defined Network